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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application Serial No. 10/609,311
Filing Date June 26, 2003
Inventor Donald L. Yates
Assignee Micron Technology, Inc.
Group Art Unit 2811
Examiner Unknown
Attorney Docket No. MI22-2236
Customer No. 021567
Title: Semiconductor Processing Patterning Methods and Constructions

INFORMATION DISCLOSURE STATEMENT

References -- See Attached Form PTO-1449

The attached form PTO-1449 is submitted in compliance with 37 CFR §1.56. Copies of all references are attached. No admission is made regarding whether all the listed references are prior art.

Citation of the referenced art is respectfully requested.

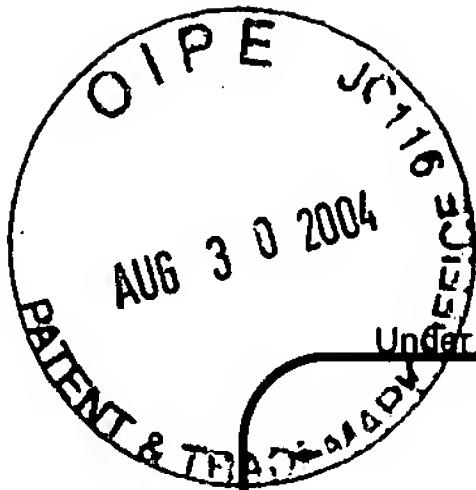
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Respectfully submitted,

Dated: 8/30/04

By: _____

Robert C. Hyta
Reg. No. 46,791



PTO/SB/21 (02-04)

Approved for use through 07/31/2006. OMB 0651-0031

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(to be used for all correspondence after initial filing)

		Application Number	10/609,311
		Filing Date	June 26, 2003
		First Named Inventor	Donald L. Yates
		Art Unit	2811
		Examiner Name	Unknown
Total Number of Pages in This Submission		Attorney Docket Number	MI22-2236

ENCLOSURES (Check all that apply)

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Firm or Individual name	Robert C. Hyta/Reg. No. 46,791 Wells St. John, P.S.
Signature	
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Form PTO-1449 <i>O I P E</i> AUG 30 2004 FEB 11 2005 U.S. PATENT AND TRADEMARK OFFICE		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. MI22-2236		SERIAL NO. 10/609,311	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT: Donald L. Yates			
				FILING DATE June 26, 2003		GROUP 2811	
U.S. PATENT DOCUMENTS							
*Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	4,086,074	04/78	Minot et al.			
	AB	4,622,735	11/86	Shibata			
	AC	4,683,645	08/87	Naguib et al.			
	AD	4,693,910	09/87	Nakajima et al.			
	AE	4,766,090	08/88	Coquin et al.			
	AF	5,099,304	03/92	Takemura et al.			
	AG	5,236,865	08/93	Sandhu et al.			
	AH	5,444,024	08/95	Anjum et al.			
	AI	5,470,784	11/95	Anjum et al.			
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
	AJ						Yes
	AK						No
	AL						
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AM	ABSTRACT: Basceri et al., Atomic Layer Deposition for Nanoscale CU Metalization, 10 pages (pre-April 2004).					
	AN	En et al., Plasma immersion ion implantation reactor design considerations for oxide charging, 85 SURFACE AND COATINGS TECHNOLOGY 64-69 (1966).					
	AO	Ku et al., The Application of Ion Beam Mixing, Doped Silicide, and Rapid Thermal Processing of Self-Aligned Silicide Technology, 137 J. Electrochem. Soc. No. 2, pp. 728-740 (February 1990).					
EXAMINER		DATE CONSIDERED					
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U.S. PATENT DOCUMENTS								
*Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA	5,670,298	09/97	Hur				
	AB	6,037,239	03/00	Jennings				
	AC	6,096,621	08/00	Jennings				
	AD	6,130,140	10/00	Gonzalez				
	AE	6,133,105	10/00	Chen et al.				
	AF	6,133,116	10/00	Kim et al.				
	AG	6,156,674	12/00	Li et al.				
	AH	6,177,235 B1	01/01	Francou et al.				
	AI	6,281,100 B1	08/01	Yin et al.				
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
	AJ						Yes	No
	AK							
	AL							
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)								
	AM		ABSTRACT: How to Eliminate Voiding in Porous-Low-k Dielectrics and The Mechanism of Void Formation; Lin et al.; 4 pages					
	AN		COB Stack DRAM Cell Technology beyond 100 nm Technology Node; Yongjik Park & Kinam Kim; pp. 349.1 - 349.3;					
	AO		Rubin et al., Shallow-Junction Diode Formation by implantation of Arsenic and Boron Through Titanium-Silicide Films and ..., 17 IEEE Transactions on Electron Devices, No. 1, pp. 183-190 (January 1990).					
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	AA	6,277,709 B1	08/01	Wang et al.			
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	AG	6,465,325 B2	10/02	Ridley et al.			
	AH	6,720,638 B2	04/04	Tran			
	AI	6,780,728	08/04	Tran			

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							Yes	No
	AJ							
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

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	AA	2001/0006759 A1	07/01	Shipley, Jr. et al.			
	AB	2002/0076879 A1	06/02	Lee et al.			
	AC	2002/0196651 A1	12/02	Weis			
	AD	2003/0013272 A1	01/03	Hong et al.			
	AE						
	AF						
	AG						
	AH						
	AI						

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	AA	10/655,997		Daley			09/03	
	AB	10/689,958		Basceri			10/03	
	AC	10/690,029		Derderian et al.			10/03	
	AD	10/882,118		Sandhu et al.			04/04	
	AE	10/879,367		Blalock et al.			06/04	
	AF							
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	AH							
	AI							
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